

EXHIBIT 3

DWPI



09/369,570

DERWENT-ACC-NO: 1991-371742

DERWENT-WEEK: 199812

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TITLE: Stone building panel prodn. for flooring and walls - by laminating rear

surface of stone panel with fibre-reinforced plastic layer

PATENT-ASSIGNEE: MATSUSHITA ELECTRIC WORKS LTD [MATW]

PRIORITY-DATA: 1990JP-0043292 (February 23, 1990)

PATENT-FAMILY:

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ABSTRACTED-PUB-NO: JP03247852A

BASIC-ABSTRACT: Stone building panel is prep'd. by laminating the rear surface of a natural or artificial stone panel with a fibre-reinforced plastic layer prep'd. by impregnating the plastic resin into chopped strand mat and cloth.

The reinforcement comprises the chopped strand mat in direct contact with the rear surface of stone panel and the cloth in a basis wt. ratio of 0.5-2.0 and has a total thickness of 0.5-2 mm. The filament is, e.g., glass fibre, polypropylene filament or carbon filament. The impregnating resin is, e.g., polyester, epoxy resin or acrylic resin. The FRP layer is formed by laminating the mat and cloth on the stone panel and coating the mat and cloth with the impregnating resin; or bonding the prepreg sheets on the rear surface of panel and hardening the resin; or laminating adhesively the FRP sheet on the rear

surface of the panel.

ADVANTAGE - The reinforcement has high toughness and bending strength and reduces the amt. of cloth used to provide economical reinforcement.

CHOSEN-DRAWING: Dwg. 0/1

DERWENT-CLASS: A82 A93 G02 L02 P73 Q45

CPI-CODES: A12-R03; A12-R07; A12-S08F; G02-A05F; L02-D07;